



## Single to three-phase MultiPhase™ converter



A MultiPhase converter converts single-phase into three-phase power much like a Booster converter. The MultiPhase has an additional nine stage power electronic system which balances the output voltages precisely over the whole range of different loads.

The system keeps the three-phase output voltage symmetry within tight limits better than the limits guaranteed by utilities.

This is ideal for sensitive machines requiring balanced supply voltages such as CNC machines, VFDs, all inverters and all welders.

The duty cycle of a MultiPhase converter is 100% for non-stop maximum load.

Use a MultiPhase with a lathe, planer, saw, thicknesser, spindle moulder, foursider, tenoner, mortiser, belt sander, band saw, drill press, grinder, milling machine, combination machine, tyre machine, car hoist, surface or deep well pump, horse treadmill, ice cream machine, inverter welder, guillotine, conveyor, escalator, inverter, irrigation systems, submersible- or surface pumps, air conditioning, compressor, refrigeration, effluent pumps, conveyor, crane, hoist, wine press, grain mill, CNC machine and many more.

MultiPhase converters are available in power ranges between 8kW and 40kW.

MultiPhase 8 is a single unit, larger versions are multiple units of 8kW each.  
MultiPhase 8 can power a welder up to 300A, MultiPhase 12 up to 450A.

Digital indicators inform about output voltage, output current and converter status.  
The single phase input voltage is 230V or two-phase 400V.  
On request, a version is available for 460V split phase supply.

The output voltages are 3x 400V pure sine wave between the three phases.  
Phase angles are 120 degrees apart as with utility supplied power.

Dimensions are 410 x 800 x 370 mm.  
The weight per unit is 90kg.

Booster converters are manufactured in New Zealand, Australia, Europe and in the US.

The free part replacement warranty period is five years.

